Sanitized Copy Approved for Release 2011/06/29 : CIA-RDP80-00809A000600200029-9

CENSSIFICATION RESTRICTED

CENTRAL INTELLIGENCE AGENC.

INFORMATION

REPORT

STAT

COUNTRY

USSR

DATE DISTR. 21 May 1948

SUBJECT

Scientific Research

NO. OF PAGES 2

PLACE

USSR

NO. OF ENCLS.

DATE OF

INFORMATION

1946-47

SUPPLEMENT TO REPORT NO.

STAT

This document contains i experiation appretiage the national depicts of the cheffic states when the responded of the companies at 50 st. 5. ... 9, 400 d. A. A. Arrestoned. It to translation of the setellation of the companies that national of the companies of t

THIS IS UNEVALUATED INFORMATION FOR THE RESEARCH USE OF TRAINED INTELLIGENCE ANALYSTS

SOURCE

Documentary as indicated (Information specifically requested.)

RECENTLY PUBLISHED SOVIET RESEARCH ON MUTANTS AND VARIANTS

"Modification Variability of Indol-Production in Salmonella Cholerae Suis," N. 17. Bogol'skiy, 1/2 p

"Gigiyena i Samitariya" Vol XII, No 7, 1947

Brief account of bactericlogical research on variability of microorganisms. (17TAS)

"Variability of B. Mycoides (Fluegge): III. Stability of Variants Experimentally Obtained," Ya. I. Rautenshtein, Inst Microbiol, Acad Sci. USER, 6 pp

"Mikrobiologiya" Vol XVI, No 3, 1947

Variants obtained under experimental conditions were found to be extremely stable, and are to be considered as stuble, new forms. All variants were rodeshaped. (16721)

Role of Hybridisation in Variation: III. Influence of the Y-chromosome on the Variability of the Yellow and Achaete Loci in the Prosophila Melanogaster," M. I. Mushdin, Inst of Genetics, Acad Sci, 27 pp

"Zhur Obsh Biol" Vol VIII, No 2, 1947

- 1 --

RESTRICTED

RESTRICTED

STAT

Development of author's previous paper of the same title (1946), giving further data in full agreement with his hypothesis as to the role played by the structural homozygowity and heterozygosity in chromosome changes.

"Physiological Mutations in Populations," N. P. Dulnin, Inst of Cytol, Histol, and Embryol, Acad Sci USSE

"Lev Akad Nauk SSSR, Sor Biol" No 4, Jul/Aug 1947

Study of the genetics of population according to their physiological properties. So far it has been based mainly on the study of the variability and heredity of either morphological characteristics or those of pathologic physiology. In this paper the analysis of variability and heredity according to the fertility directoristics by natural populations of Drosophila melanogaster is presented; here, one of the essential adaptive characteristics of populations is dealt with, as it is quite evident that the fertility level is one of great adaptive importance in the life of a species and of its separate populations.

"Effect of Acenaphthene upon Nondisjunction of Sex Chromosomes in Drosophila Melanogaster," L. O. Zivin, Cent Inst of Ontology, Moscow

"Compt Rend Acad Sci URSS" Vol LII, 1946, pp 351-2

Previous work on effects of accomphisher reviewed. Author's experiments indicate that accomphishes added to food of D. Walanogaster causes nondisjunction of the sex chromosomes.

"Influence of Thymomeleic Acid on Drosophila Melanogaster," N. C. Zivin Oncological Inst, Moscow

"Compt Rend Acad Sci URSS" Vol LII, 1946, pp 263-4

Insummutations acid added to the food of Drosophila malanogaster in various concentrations does not preclude the occurrence of tumors, has no effect on existing tumors, and does not cause directed mutations.

- END -

~ 2 ·

RESTRICTED

RESTRICTED